

ABSTRACT

The invention hereby presented relates to the electronic systems manufacturing industry for handling and projecting images for communication purposes. More specifically, it refers to a system that combines electronic and physics aspects to achieve the function of projecting 3-D images that can be viewed in daylight, with an immersion effect, suspended in the air, as real volumes in third dimension and without a visual aid.

The advantage of the present invention related to the background art resides in the fact that a projected image is appreciated as a three-dimensional image, suspended in the air, in a daylight atmosphere or in interiors with indirect illumination, without requiring a dark atmosphere, achieving dynamic images (with movement and modification of its aspect, forms, color, texture, size and any other visual appearance) and sound. The System gives the opportunity to modify images along time, according to the sequences programmed by an operation and projection schedule and a 3-D video-library. The System is built by an optical subsystem that generates the image in space, software and some electronic components that generate images in two dimensions as well as other electronic and software elements to administrate, control, supervise and operate the system itself, locally or remotely from a central unit and through a telecommunications solution.